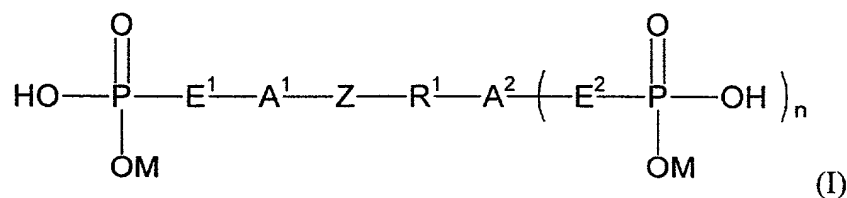


What is claimed is:

1. A compound of formula (I):



where:

A¹ and A² are the same or different aryl groups collectively bearing at least one hydrophilic substituent;

E¹ and E² are the same or different and are O, S, or NR² (where R² is a linear or branched C₁-C₂₀ carbon containing group);

M is H or a pharmaceutically acceptable monovalent cation;

R¹ is a linear or branched, saturated or unsaturated, C₁-C₂₀ carbon containing group;

Z is a single bond, a carbonyl, CE³E⁴, or CR³E³, where

E³ and E⁴ are the same or different and are OR⁴, SR⁴, or NR⁴₂, where

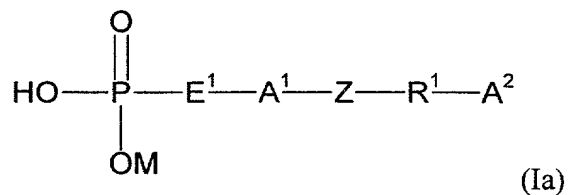
R³ is a linear or branched C₁-C₂₀ carbon containing group, and

R⁴ is H or a linear or branched C₁-C₂₀ carbon containing group; and

n is 0 or 1, or a pharmaceutically acceptable salt thereof,

provided that the compound is not 4'-phosphophloretin or a pharmaceutically acceptable salt thereof.

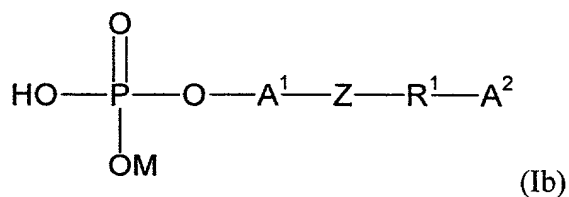
2. The compound of Claim 1 that is a compound of formula (Ia):



where:

A^1 , A^2 , E^1 , M , R^1 and Z are as defined in Claim 1, or a pharmaceutically acceptable salt thereof, provided that the compound is not 4'-phosphophloretin or a pharmaceutically acceptable salt thereof.

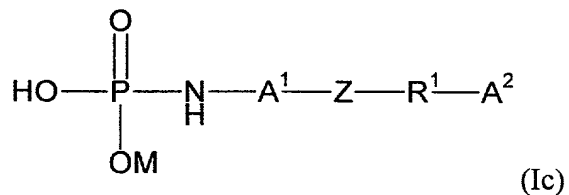
3. The compound of Claim 1 that is a compound of formula (Ib):



where:

A^1 , A^2 , M , R^1 and Z are as defined in Claim 1, or a pharmaceutically acceptable salt thereof, provided that the compound is not 4'-phosphophloretin or a pharmaceutically acceptable salt thereof.

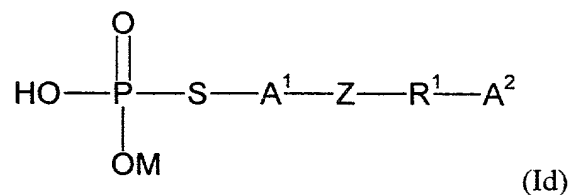
4. The compound of Claim 1 that is a compound of formula (Ic):



where:

A¹, A², M, R¹ and Z are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

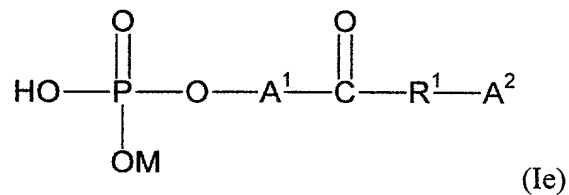
5. The compound of claim 1 that is a compound of formula (Id):



where:

A¹, A², M, R¹ and Z are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

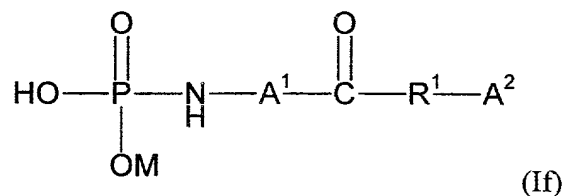
6. The compound of claim 1 that is a compound of formula (Ie):



where:

A¹, A², M, and R¹ are as defined in Claim 1, or a pharmaceutically acceptable salt thereof, provided that the compound is not 4'-phosphophloretin or a pharmaceutically acceptable salt thereof.

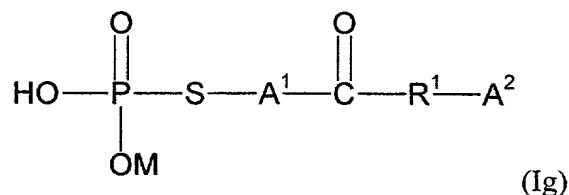
7. The compound of claim 1 that is a compound of formula (If):



where:

A¹, A², M, and R¹ are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

8. The compound of claim 1 that is a compound of formula (Ig):

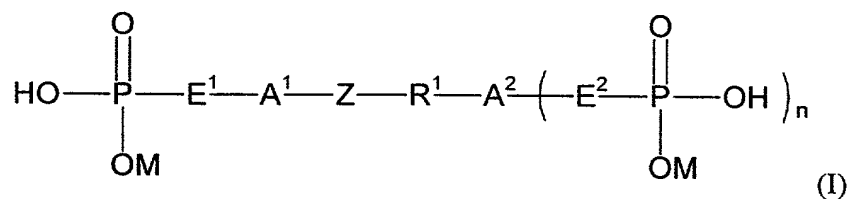


where:

A¹, A², M, and R¹ are as defined in Claim 1, or a pharmaceutically acceptable salt thereof.

9. The compound of Claim 1 that is 2'-phosphophloretin, 2'-thiophosphophloretin or 2'-aminophosphophloretin or a pharmaceutically acceptable salt thereof.

10. A medication comprising a carrier and a therapeutically effective amount of a compound of formula (I):



where:

A¹ and A² are the same or different aryl groups collectively bearing at least one hydrophilic substituent;

E¹ and E² are the same or different and are O, S, or NR² (where R² is a linear or branched C₁-C₂₀ carbon containing group);

M is H or a pharmaceutically acceptable monovalent cation;

R¹ is a linear or branched, saturated or unsaturated, C₁-C₂₀ carbon containing group;

Z is a single bond, a carbonyl, CE³E⁴, or CR³E³, where

E³ and E⁴ are the same or different and are OR⁴, SR⁴, or NR⁴, where

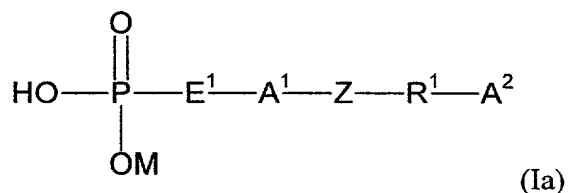
R³ is a linear or branched C₁-C₂₀ carbon containing group, and

R⁴ is H or a linear or branched C₁-C₂₀ carbon containing group; and

n is 0 or 1,

or a pharmaceutically acceptable salt thereof.

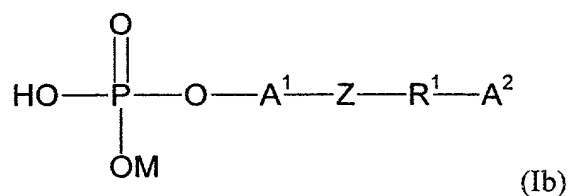
11. The medication of Claim 10 where the compound is a compound of formula (Ia):



where:

A¹, A², E¹, M, R¹ and Z are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

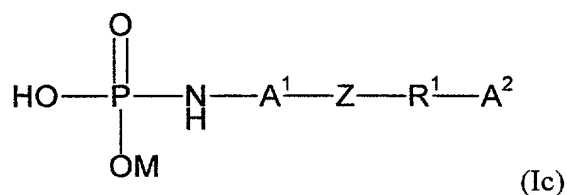
12. The medication of Claim 10 where the compound is a compound of formula (Ib):



where:

A^1 , A^2 , M , R^1 and Z are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

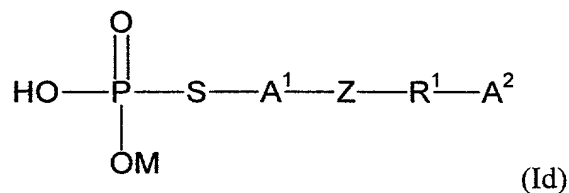
13. The medication of Claim 10 where the compound is a compound of formula (Ic):



where:

A^1 , A^2 , M , R^1 and Z are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

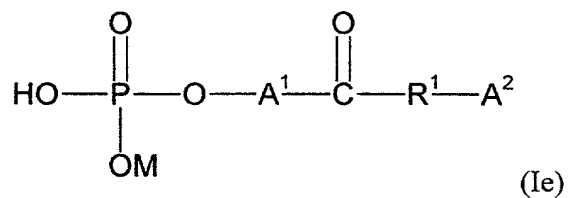
14. The medication of Claim 10 where the compound is a compound of formula (Id):



where:

A^1 , A^2 , M , R^1 and Z are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

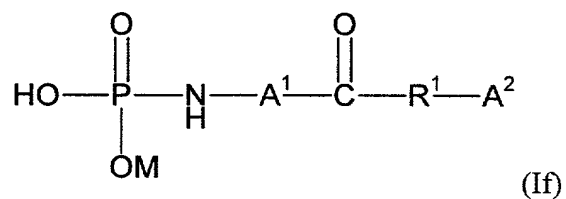
15. The medication of Claim 10 where the compound is a compound of formula (Ie):



where:

A¹, A², M, and R¹ are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

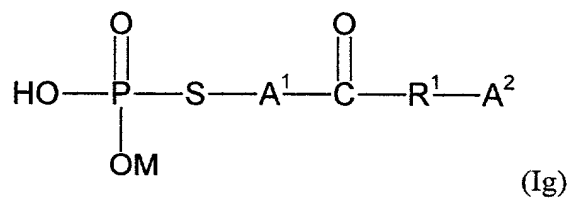
16. The medication of Claim 10 where the compound is a compound of formula (If):



where:

A¹, A², M, and R¹ are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

17. The medication of Claim 10 where the compound is a compound of formula (Ig):



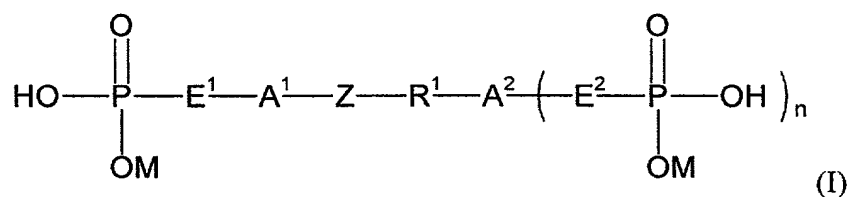
where:

A¹, A², M, and R¹ are as defined in Claim 10, or a pharmaceutically acceptable salt thereof.

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18. The medication of Claim 10 where the compound is 2'-phosphophloretin, 2'-thiophosphophloretin or 2'-aminophosphophloretin or a pharmaceutically acceptable salt thereof.

19. A method of inhibiting sodium-mediated phosphate uptake, reducing serum PTH, calcium, calcitriol, or phosphate, or treating renal disease, comprising administration of a compound of formula (I):



where:

A^1 and A^2 are the same or different aryl groups collectively bearing at least one hydrophilic substituent;

E^1 and E^2 are the same or different and are O, S, or NR^2 (where R^2 is a linear or branched $\text{C}_1\text{-C}_{20}$ carbon containing group);

M is H or a pharmaceutically acceptable monovalent cation;

R^1 is a linear or branched, saturated or unsaturated, $\text{C}_1\text{-C}_{20}$ carbon containing group;

Z is a single bond, a carbonyl, CE^3E^4 , or CR^3E^3 , where

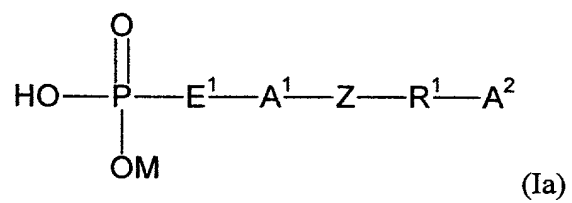
E^3 and E^4 are the same or different and are OR^4 , SR^4 , or NR^4_2 , where

R^3 is a linear or branched $\text{C}_1\text{-C}_{20}$ carbon containing group, and

R^4 is H or a linear or branched $\text{C}_1\text{-C}_{20}$ carbon containing group; and

n is 0 or 1, or a pharmaceutically acceptable salt thereof.

20. The method of Claim 19 where the compound is a compound of formula (Ia):



where:

A¹, A², E¹, M, R¹ and Z are as defined in Claim 19, or a pharmaceutically acceptable salt thereof.

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